

PROPOSED SIGNS

MD 210 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGN TO REMAIN

32 R4-7

EXISTING SIGNS TO BE REMOVED

80, 81, 82, 83, 84, 85, 86, 87

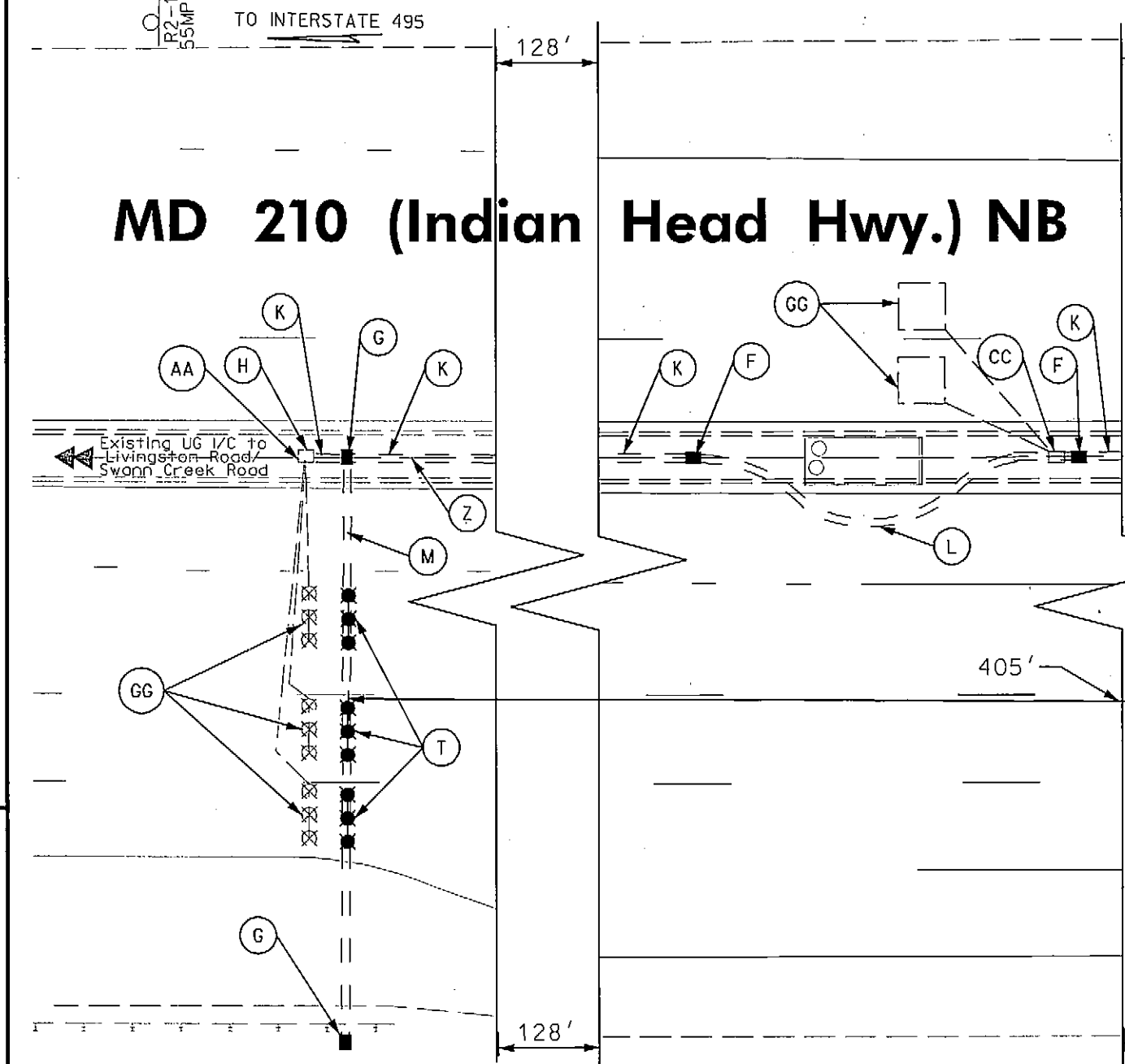
PROPOSED LED SIGNALS

1.2, 6.7, 3.4, 5.8, 9, 12, 15, 10, 13, 11, 14, 16, 17

NEMA PHASING

Ø1, Ø2, Ø3, Ø4, Ø5, Ø6, Ø3 ALT., FLASHING OPERATION, PREEMPT #1, PREEMPT #2

NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS MD 210 AT OLD FORT ROAD - SOUTH

A. INSTALL NEMA SIZE "S" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2" AND 2-4" SCHEDULE 80 90° PVC BENDS.)

B. INSTALL 27" STEEL POLE WITH 60' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, OPTICOM EYE, SIGNS, 20' LIGHTING ARM AND LED LUMINAIRE (NOTE: 1-3" SCHEDULE 80 90° PVC BEND.)

C. INSTALL 27" STEEL POLE WITH 50' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, 20' LIGHTING ARM AND LED LUMINAIRE (NOTE: 1-3" SCHEDULE 80 90° PVC BEND.)

D. INSTALL 27" STEEL POLE WITH TWIN 50'/70' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, OPTICOM EYE, SIGNS, 20' LIGHTING ARM AND LED LUMINAIRE (NOTE: 1-3" SCHEDULE 80 90° PVC BEND.)

E. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS PER MD 801.01-01, PEDESTRIAN SIGNAL HEAD, AND AUDIBLE PUSHBUTTON STATION (NOTE: USE MODIFIED FOUNDATION PER MD 801.01 WITH 1-2" SCHEDULE 80 90° PVC BEND.)

F. INSTALL ELECTRICAL HANDHOLE.

G. INSTALL ELECTRICAL HANDHOLE PERPENDICULAR TO ROADWAY FOR NON-INVASIVE PROBE INSTALLATION.

H. USE EXISTING HANDHOLE, INSTALL NEW FRAME AND COVER.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

A - AERIAL CABLES
E - ELECTRICAL CABLES
F - FIBER OPTIC
G - GAS MAIN
S - SEWER MAIN
SD - STORM DRAIN
T - TELEPHONE CABLES
W - WATER MAIN

PROPOSED APS SIGNS

16p, 17p

PROPOSED VIDEO DETECTION ZONE

a-e

PROPOSED OPTICOM DETECTION EYE

f, g

MD 210 (Indian Head Hwy.) SB

TO MD 228

410', 216', 666'

GENERAL NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.

2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.

3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.

4. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. ALL OTHER EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.

5. ALL NEW LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINAL AND PROPERLY LABELING EACH CABLE.

7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. IF UTILITY CONFLICTS ARISE, THE CONTRACTOR SHALL CONTACT THE SHA ENGINEER.

8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO INSTALLATION OF ALL SIGNAL EQUIPMENT.

9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

10. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 INCHES FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.

11. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTON MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2, AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED AND APPROVED BY THE DIRECTOR OF THE OFFICE OF TRAFFIC AND SAFETY.

12. THE 10" SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.

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APPROVALS

TEAM LEADER
ASST. DIR. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

© RECONSTRUCT FROM SPAN WIRES TO MAST ARMS, APS/CPS AND ADA RAMP
JULY 2012 SHA NO. XX4395185 TMS NO. K202
WAE MC 1627(2008)501
F. RELOCATE SIGNAL HEADS FOR EAST LEG MODIFICATION TMS NO. F295
S.H.A. NO. BW95862, APRIL 22, 2004
JES
E. CHANGE SIGNAL HEADS
ADD VIDEO DETECTION TMS NO. F295
S.H.A. NO. PG409421, OCTOBER 2002
JFL

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 6/27/1974 CONTRACT NO. P-387-001-385

DESIGNED BY H. KILIAN COUNTY PRINCE GEORGE'S
DRAWN BY K. DODGE LOGMILE 160210006.81
CHECKED BY F.A.P. NO. U263-1(3) TMS NO.
TOD NO.

TS NO. 1175-G DRAWING SG-1 OF 2 SHEET NO. 1 OF 3

BY: mhuselee